APPENDIX N—DECISION RULES

ANALYSIS AND REPORTING DECISION RULES

NECAP
Fall 07-08 Grades 03-08 Administration

This document details rules for analysis and reporting. The final student level data set used for analysis and reporting is described in the "Data Processing Specifications." This document is considered a draft until the NECAP State Department of Education (DOE) signs off. If there are rules that need to be added or modified after said sign-off, DOE sign off will be obtained for each rule. Details of these additions and modifications will be in the Addendum section.

I.   General Information

A.   *Tests administered:*

Grade	Subject	Test items used for Scaling	IREF Reporting Categories (Subtopic and Subcategory IREF Source)
03	Reading	Common	Cat2
03	Math	Common	Cat1
04	Reading	Common	Cat2
04	Math	Common	Cat1
05	Reading	Common	Cat2
05	Math	Common	Cat1
05	Writing	Common	type
06	Reading	Common	Cat2
06	Math	Common	Cat1
07	Reading	Common	Cat2
07	Math	Common	Cat1
08	Reading	Common	Cat2
08	Math	Common	Cat1
08	Writing	Common	type

B.   *Reports Produced*:

1.   Student Report

   a.   Testing School District

2.   School Item Analysis Report by Grade and Subject

   a.   Testing School District

   b.   Teaching School District

3.   Grade Level School/District/State Results

   a.   Testing School District

   b.   Teaching School District – District and School Levels only

4.   School/District/State Summary

   a.   Testing School District

   b.   Teaching School District – District and School Levels only

C.   *Files Produced:*

1.   State Student Cleanup Data

2.   Preliminary State Results

3.   State Student Released Item Data

4.   State Student Raw Data

5.   State Student Scored Data

6. District Student Data

7. Item Information

8. Grade Level Results Report Disaggregated and Historical Data

9. Grade Level Results Report Participation Category Data

10. Grade Level Results Report Subtopic Data

11. Summary Results Data

12. Released Item Percent Responses Data

13. Invalidated Students Original Score

14. Multiple Choice Response Distribution Data Grades 05-08

15. Block Blank Response Distribution Data Grades 03 & 04

D. *School Type:*

SchType	Source: ICORE SubTypeID	Description
PUB	1,12,13	Public School
PRI	3	Private School
OOD	4	Out-of-District Private Providers
OUT	8	Out Placement
CHA	11	Charter School
INS	7	Institution
OTH	9	Other

School Type Impact on Data Analysis and Reporting				
Level	**Testing**		**Teaching**	
	Impact on Analysis	**Impact on Reporting**	**Impact on Analysis**	**Impact on Reporting**
Student	n/a	Report students based on testing discode and schcode. District data will be blank for students tested at PRI, OOD, OUT, INS, or OTH schools. Always print tested year state data.	n/a	n/a
School	Include all non-home school students using testing school code for aggregations	Generate a report for each school with at least one student enrolled using the tested school aggregate denominator. District data will be blank for PRI, OOD, OUT, INS, or OTH schools. Always print tested year state data.	Include all non-home school students using the teaching school code. Exclude students who do not have a teaching school code.	Generate a report for each school with at least one student enrolled using the teaching school aggregate denominator. District data will be blank for PRI, OOD, OUT, INS, or OTH schools. Always print tested year state data.
District	For OUT and OOD schools, aggregate using the sending district. If OUT or OOD student does not have a sending district, do not include in aggregations. Do not include students tested at PRI, INS, or OTH schools Do not include home school students.	Generate a report for each district with at least one student enrolled using the tested district aggregate denominator. Always report tested year state data.	Do not include students taught at PRI, OOD, OUT, INS, or OTH schools. Do not include students who do not have a teaching district code. Do not include home school students.	Generate a report for each district with at least one student enrolled using the teaching district aggregate denominator. Always report tested year state data.
State	Do not include students tested at PRI schools for NH and RI. Include all students for VT. Do not include home school students.	Always report testing year state data.	n/a	n/a

Calculation Description	Rule
Number and Percent at each achievement level, mean score by disaggregated category and aggregate level	If the number of tested students included in the denominator is less than 10, then do not report.
Content Area Subcategories Average Points Earned based on common items only by aggregate level	If the number of tested students included in the denominator is less than 10, then do not report.
Aggregate data on Item Analysis report	No required minimum number of students
Number and Percent of students in a participation category by aggregate level	No required minimum number of students
Content Area Subtopic Percent of Total Possible Points and Standard Error Bar	If any item was not administered to at least one tested student included in the denominator or the number of tested students included in the denominator is less than 10, then do not report

F. *Special Forms:*

1. Form 00 is created for students whose matrix scores will be ignored for analysis. Such students include Braille or administration issues resolved by program management.

G. *Other Information*

1. Home school students are excluded from all school, district, and state level aggregations. Home school students receive a parent letter based on the testing school. Print aggregate data based on the testing school. Print tested year state data. Home school students are not listed on the item analysis report.

2. Plan504 data not available for NH and VT; therefore 504 Plan section will be suppressed for NH and VT.

3. To calculate Title1 data for writing using Title1rea variable.

4. Title 1 data are not available for VT; therefore Title 1 section will be suppressed for VT.

5. Only students with a testing year school type of OUT or OOD are allowed to have a sending district code. Non-public sending district codes will be ignored. For RI, senddiscode of 88 is ignored. For NH, senddiscode of 000 is ignored.

6. Several reports and data files are provided by testing and teaching school district levels. Testing level is defined to be the school and district where the student tested (discode and schcode). Teaching level is defined to be where the student was enrolled last year (sprdiscode and sprschcode). Every student will have testing district and school codes. Some students will have a teaching school code. Some students will have a teaching district code.

II. Student Participation / Exclusions

A. *Test Attempt Rules by content area*

1. A content area was attempted if any multiple choice item or non-field test open response item has been answered. (Use original item responses – see special circumstances section II.F)

2. A multiple choice item has been answered by a student if the response is A, B, C, D, or * (*=multiple responses)

3. An open response item has been answered if it is not scored blank 'B'

B. *Session Attempt Rules by content area*

1. A session was attempted if any multiple choice item or non-field test open response item has been answered in the session. (Use original item responses – see special circumstances section II.F)

C. *Not Tested Reasons by content area*

    1.   Not Tested State Approved Alternate Assessment

        a.   If content area "Alternate Assessment blank or partially blank reason" is marked, then student is identified as "Not Tested State Approved Alternate Assessment".

    2.   Not Tested State Approved First Year LEP (reading and writing only)

        a.   If content area "First Year LEP blank or partially blank reason" is marked, then student is identified as "Not Tested State Approved First Year LEP".

    3.   Not Tested State Approved Special Consideration

        a.   If content area "Special Consideration blank or partially blank reason" is marked, the student is identified as "Not Tested State Approved Special Consideration".

    4.   Not Tested State Approved Withdrew After October 1

        a.   If content area "Withdrew After October 1 blank or partially blank reason" is marked and at least one content area session was not attempted, then the student is identified as "Not Tested State Approved Withdrew After October 1"

    5.   Not Tested State Approved Enrolled After October 1

        a.   If content area "Enrolled After October 1 blank or partially blank reason" is marked and at least one content area session was not attempted, then the student is identified as "Not Tested State Approved Enrolled After October 1".

    6.   Not Tested Other

        a.   If content area test was not attempted, the student is identified as "Not Tested Other".

D. *Not Tested Reasons Hierarchy by content area: if more than one reason for not testing at a content area is identified then select the first category indicated in the order of the list below.*

    1.   Not Tested State Approved Alternate Assessment

    2.   Not Tested State Approved First Year LEP (reading and writing only)

    3.   Not Tested State Approved Special Consideration

    4.   Not Tested State Approved Withdrew After October 1

    5.   Not Tested State Approved Enrolled After October 1

    6.   Not Tested Other

E. *Student Participation Status by content area*

    1.   Tested

        a.   If the student does not have any content area not tested reasons identified, then the student is considered Tested for the content area.

    2.   Not Tested: State Approved Alternate Assessment

    3.   Not Tested: State Approved First Year LEP (reading and writing only)

    4.   Not Tested: State Approved Special Consideration

    5.   Not Tested: State Approved Withdrew After October 1

    6.   Not Tested: State Approved Enrolled After October 1

    7.   Not Tested: Other

F. *Special Circumstances by content area*

    1.   Students identified as content area tested and did not attempt all sessions in the test are considered to be "Tested Incomplete."

2. Students identified as content area tested and have at least one of the content area invalidation session flags marked will be treated as "Tested with Non-Standard Accommodations". Math accommodation F01 also identifies non-standard accommodations for Math.

3. For students identified as "Tested with Non-Standard Accommodations" the content area sessions item responses which are marked for invalidation will be treated as a non-response. For the students with math accommodations F01 marked, the non-calculator session 1 math items will be treated as a non-response.

4. Students identified as tested in a content area will receive released item scores, scaled score, scale score bounds, achievement level, raw total score, subcategory scores, and writing annotations (where applicable).

5. Students identified as not tested in a content area will not receive a scaled score, scaled score bounds, achievement level, writing annotations (where applicable). They will receive released item scores, raw total score, and subcategory scores.

G. *Student Participation Summary*

Participation Status	Description	Raw Score (*)	Scaled Score	Ach. Level	Student Report Ach. Level Text	Roster Ach. Level Text
1	Tested	✓	✓	✓	Substantially Below Proficient, Partially Proficient, Proficient, or Proficient with Distinction	1,2,3, or 4
2	Not Tested State Approved Alternate Assessment	✓			Alternate Assessment	A
3	Not Tested State Approved First Year LEP	✓			First Year LEP	L
4	Not Tested State Approved Enrolled After October 1	✓			Enrolled After October 1	E
5	Not Tested State Approved Withdrew After October 1	✓			Withdrew After October 1	W
6	Not Tested State Approved Special Consideration	✓			Special Consideration	S
7	Not Tested Other	✓			Not Tested	N

(*) Raw scores are not printed on student report for students with a not tested status.

III. Calculations

A. *Rounding*

1. All percents are rounded to the nearest whole number

2. All mean scaled scores are rounded to the nearest whole number

3. Content Area Subcategories: Average Points Earned (student report): round to the nearest tenth.

4. Round non-multiple choice average item scores to the nearest tenth.

B. *Students included in calculations based on participation status*

1. For number and percent of students enrolled, tested, and not tested categories include all students not excluded by other decision rules.

2. For number and percent at each achievement level, average scaled score, subtopic percent of total possible points and standard error, subcategories average points earned, percent/correct average score for each released item include all tested students not excluded by other decision rules.

C. *Raw scores*

1. For all analysis, non-response for an item by a tested student is treated as a score of 0.

2. Content Area Total Points: Sum the pointes earned by the student for the common items.

D. *Item Scores*

1. For all analysis, non-response for an item by a tested student is treated as a score of 0.

2. For multiple choice released item data store a '+' for correct response, or A,B,C,D,* or blank

3. For open response released items, store the student score. If the score is not numeric ('B'), then store it as blank.

4. For students identified as content area tested with non-standard accommodations, then store the released item score as '-' for invalidated items.

E. *Scaling*

Scaling is done using a look-up table provided by psychometrics and the student's raw score.

F. *SubTopic Item Scores*

1. Identify the Subtopic

   a. The excel file IREF_ReportingCategories.xls outlines the IREF variables and values for identifying the Content Strand, GLE code, Depth of Knowledge code, subtopics, and subcategories. The variable type in IREF is the source for the Item Type, except the writing prompt item type is reported as "ER".

2. Student Content Area Subcategories (student report): Subtopic item scores at the student level is the sum of the points earned by the student for the common items in the subtopic.

3. Content Area Subtopic (grade level results report): Subtopic scores are based on all unique common and matrix items. The itemnumber identifies each unique item.

   a. Percent of Total Possible Points:

      I. For each unique common and matrix item calculate the average student score as follows: (sum student item score/number of tested students administered the item).

      II. 100 * (Sum the average score for items in the subtopic)/(Total Possible Points for the subtopic) rounded to the nearest whole number.

   b. Standard Error Bar: Before multiplying by 100 and rounding the Percent of Total Possible points (ppe) calculate standard error for school,district and state: 100* (square root (((ppe)*(1-ppe)/number of tested students))) rounded to the nearest whole number
   Percent of Total Possible Points +/- Standard Error

G. *Cumulative Total*

    1. Include the yearly results where the number tested is greater than or equal to 10

    2. Cumulative total N (Enrolled, Not Tested Approved, Not Tested Other, Tested, at each achievement level) is the sum of the yearly results for each category where the number tested is greater than or equal to 10.

    3. Cumulative percent for each achievement level is 100*(Number of students at the achievement level cumulative total / number of students tested cumulative total) rounded to the nearest whole number.

    4. Cumulative mean scaled score is a weighted average. For years where the number tested is greater than or equal to 10, (sum of (yearly number tested * yearly mean scaled score)) / (sum of yearly number tested) rounded to the nearest whole number.

H. *Average Points Earned Students at Proficient Level (Range)*

    1. Select all students across the states with Y40 scaled score, where Y=grade. Average the content area subcategories across the students and round to the nearest tenth. Add and subtract one standard error of measurement to get the range.

I. Writing Annotations

    1. Students with a writing prompt score of 2-12 receive at least one, but up to five statements based on decision rules for annotations as outlined in Final Statements & Decision Rules for NECAP Writing Annotations.doc

IV. Report Specific Rules

A. *Student Report*

    1. Student header Information

        a. If "FNAME" or "LNAME" is not missing then print "FNAME MI LNAME". Otherwise, print "No Name Provided".

        b. Print the student's tested grade

        c. For school and district name, print the abbreviated tested school and district ICORE name based on school type decision rules.

        d. Print "NH","RI", or "VT" for state.

    2. Test Results by content area

        a. For students identified as "Not Tested", print the not tested reason in the achievement level, leave scaled score and graphic display blank.

        b. For students identified as tested for the content area then do the following

            I. Print the complete achievement level name the student earned

            II. Print the scaled score the student earned

            III. Print a vertical black bar for the student scaled score with gray horizontal bounds in the graphic display

            IV. For students identified as "Tested with a non-standard accommodation" for a content area, print '**' after the content area earned achievement level and after student points earned for each subcategory.

            V. For students identified as "Tested Incomplete" for a content area, place a section symbol after content area earned scaled score.

    3. Exclude students based on school type and participation status decision rules for aggregations.

4. This Student's Achievement Compared to Other Students by content area

    a. For tested students, print a check mark in the appropriate achievement level in the content area student column. For not tested students leave blank

    b. For percent of students with achievement level by school, district and state print aggregate data based on school type and minimum N rules

5. This Student's Performance in Content Area Subcategories by content area

    a. Always print total possible points and students at proficient average points earned range.

    b. For students identified as not tested then leave student scores blank

    c. For students identified as tested do the following

        I. Always print student subcategory scores

        II. If the student is identified as tested with a non-standard accommodation for the content area then place '**' after the student points earned for each subcategory.

    d. Print aggregate data based on school type and minimum N-size rules.

5. Writing Annotations (Grades 05 and 08 only)

    a. For students with writing prompt score of 2-12 print at least one, but up to five annotation statements.

B. *School Item Analysis Report by Grade and Subject*

1. Reports are created for testing school and teaching school independently.

2. School Header Information

    a. Use abbreviated ICORE school and district name based on school type decision rules

    b. Print "New Hampshire", "Rhode Island", or "Vermont" for State.

    c. For NH, the code should print SAU code – district code – school code. For RI and VT, the code should print district code – school code.

3. For multiple choice items, print '+' for correct response, or A,B,C,D,* or blank

4. For open response items, print the student score. If the score is not numeric ('B'), then leave blank.

5. For students identified as content area tested with non-standard accommodations, print '-' for invalidated items.

6. All students receive subcategory points earned and total points earned.

7. Leave scaled score blank for not tested students and print the not tested reason in the achievement level column.

8. Exclude students based on school type and participation status decision rules for aggregations.

9. Always print aggregated data regardless of N-size based on school type decision rules.

10. For students identified as not tested for the content area print a cross symbol next to students' name.

11. For students identified as tested incomplete for the content area print a section symbol next to the scaled score.

12. Home school student are not listed on the report.

C. Grade Level School/District/State Results

1. Reports are run by testing state, testing district, testing school, teaching district, and teaching school.

2. Exclude students based on school type and participation status decision rules for aggregations.

3. Report Header Information

a. Use abbreviated school and district name from ICORE based on school type decision rules.

b. Print "New Hampshire", "Rhode Island", or "Vermont" to reference the state. The state graphic is printed on the first page.

4. Report Section: Participation in NECAP

a. For testing level reports always print number and percent based on school type decision rules.

b. For the teaching level reports leave the section blank.

5. Report Section: NECAP Results by content area

a. For the testing level report always print based on minimum N-size and school type decision rules.

b. For the teaching level report leave Enrolled, NT Approved, and NT Other blank. Print Tested, number and percent at each achievement level, mean scaled score based on minimum N-size and school type decision rules.

6. Report Section: Historical NECAP Results by content area

a. For teaching level report always print current year, prior years, and cumulative total results based on minimum N-size and school type decision rules.

b. For teaching level report leave Enrolled, NT Approved, and NT Other blank. Print Tested, number and percent at each achievement level, mean scaled score based on minimum N-size and school type decision rules.

7. Report Section: Subtopic Results by content area

a. For testing and teaching level reports always print based on minimum N-size and school type decision rules

8. Report Section: Disaggregated Results by content area

a. For testing level report always print based on minimum N-size and school type decision rules.

b. For teaching level report leave Enrolled, NT Approved, and NT Other blank. Print Tested, number and percent at each achievement level, mean scaled score based on minimum N-size and school type decision rules.

D. *School/District/State Summary*

1. Reports are run by testing state, testing district, testing school, teaching district, and teaching school

2. Exclude students based on school type and participation status decision rules for aggregations.

3. For testing level report print entire aggregate group across grades tested and list grades tested results based on minimum N-size and school type decision rules. Mean scaled score across the grades is not calculated.

4. For the teaching level report leave Enrolled, NT Approved, and NT Other blank. Print Tested, number and percent at each achievement level, mean scaled score based on minimum N-size and school type decision rules. Mean scaled score across the grades is not calculated.

V. Data File Rules

In the file names GG refers to the two digit grade (03-08) , YYYY refers to the year 0708, DDDDD refers to the district code, and SS refers to two letter state code.

A. State Student Cleanup Data

   1. One CSV file per grade and state will be created based on the file layout NECAPYYYYF Gr 03-08 11 Student Demographic Cleanup File Layout.xls.

   2. Refer to NECAPYYYYF Gr 03-08 11 Student Demographic Cleanup Description.doc

   3. Session Invalidation Flags are marked as follows.

      a. If reaaccF02 or reaaccF03 is marked, then mark reaInvSes1, reaInvSes2, and reaInvSes3

      b. If mataccF03 is marked, then mark matInvSes1, matInvSes2, and matInvSes03. MataccF01 is left as marked on booklet.

      c. If wriaccF03 is marked, then mark wriInvSes1 and wriInvSes2

B. Preliminary State Results

   1. A PDF file will be created for each state containing preliminary state results for each grade and subject and will list historical state data for comparison.

   2. The file name will be SSPreliminaryResultsDATE.pdf

C. State Student Released Item Data

   1. Students who tested at a private school are excluded from NH and RI student data files.

   2. A CSV file will be created for each state and grade following the layout NECAP YYYY Fall Gr 03-08 State Student Data Released Item Layout.xls

   3. The CSV file name will be NECAP YYYY Fall State Student Data Released Item Gr GG.csv.

D. State Student Raw Data

   1. Students who tested at a private school are excluded from NH and RI student data files.

   2. A CSV file will be created for each state and grade following the layout NECAP YYYY Fall Gr 03-08 State Student Raw Data File Layout.xls

   3. The CSV file name will be NECAP YYYY Fall State Student Raw Data File Gr GG.csv.

E. State Student Scored Data

   1. Students who tested at a private school are excluded from NH and RI student data files.

   2. A CSV file will be created for each state and grade following the layout NECAP YYYY Fall Gr 03-08 State Student Scored Data File Layout.xls

   3. The CSV file name will be NECAP YYYY Fall State Student Scored Data File Gr GG.csv.

F. District Student Data

   1. Students with the Discode or SendDiscode will be in the district grade specific CSV file for the testing year.

   2. Students with a sprDiscode will be in the district grade specific CSV file for the teaching year.

   3. Home school students are excluded from district student data files. For NH and RI only public school districts will receive district data files. (Districts with at least one school with schoolsubtypeID=1 in ICORE)

   4. Testing and teaching CSV files will be created for each state and grade and district following the layout NECAP YYYY Fall Gr 03-08 District Student Data Layout.xls

   5. The testing CSV file name will be NECAP YYYY Fall Testing District Slice Gr GG_DDDDD.csv. The teaching CSV file name will be NECAP YYYY Fall Teaching District Slice Gr GG_DDDDD.csv.

G. Item Information

    1. An excel file will be created containing item information for common items: grade, subject, raw data item name, item type, key, and point value.

    2. The file name will be NECAP YYYY Fall Gr 03-08 Item Information.xls

H. Grade Level Results Report Disaggregated and Historical Data

    1. Teaching and testing CSV files will be created for each state and grade containing the grade level results disaggregated and historical data following the layout NECAP YYYY Fall Gr 03-08 Results Report Disaggregated and Historical Data Layout.xls.

    2. Data will be suppressed based on minimum N-size and report type decision rules.

    3. The testing file name will be NECAP YYYY Fall Testing Results Report Disaggregated and Historical Data Gr GG.csv . The teaching file name will be NECAP YYYY Fall Teaching Results Report Disaggregated and Historical Data Gr GG.csv.

I. Grade Level Results Report Participation Category Data

    1. Teaching CSV file will be created for each state and grade containing the grade level results participation data following the layout NECAP YYYY Fall Gr 03-08 Results Report Participation Category Data Layout.xls.

    2. The testing file name will be NECAP YYYY Fall Testing Results Report Participation Category Data Gr GG.csv

J. Grade Level Results Report Subtopic Data

    1. Teaching and testing CSV files will be created for each state and grade containing the grade level results subtopic data following the layout NECAP YYYY Fall Gr 03-08 Results Report Subtopic Data Layout.xls.

    2. Data will be suppressed based on minimum N-size and report type decision rules.

    3. The testing file name will be NECAP YYYY Fall Testing Results Report Subtopic Data Gr GG.csv . The teaching file name will be NECAP YYYY Fall Teaching Results Report Subtopic Data Gr GG.csv.

K. Summary Results Data

    1. Teaching and testing CSV files will be created for each state and grade containing the summary report data following the layout NECAP YYYY Fall Gr 03-08 Summary Results Layout.xls.

    2. Data will be suppressed based on minimum N-size and report type decision rules.

    3. The testing file name will be NECAP YYYY Fall Testing Summary Results Gr GG.csv . The teaching file name will be NECAP YYYY Fall Teaching Summary Results Gr GG.csv.

L. Released Item Percent Responses Data

    1. The CSV files will only contain state level aggregation for released items.

    2. Teaching and testing CSV files will be created for each state and grade containing the released item analysis report state data following the layout NECAP YYYY Fall Gr 03-08 Released Item Percent Responses Layout.xls.

    3. The testing file name will be NECAP YYYY Fall Testing Released Item Percent Responses.csv . The teaching file name will be NECAP YYYY Fall Teaching Released Item Percent Responses.csv.

M. Invalidated Students Original Score

    1. Original raw scores for students whose responses were invalidated for reporting will be provided.

    2. Students who tested at a private school are excluded from NH and RI student data files.

    3. A CSV file will be created for each state and grade following the layout NECAP YYYY Fall Gr 03-08 State Invalidated Student Original Scored Data File Layout.xls.

    4. The CSV file name will be NECAP YYYY Fall State Student Scored Data File Gr GG OriScInvStu.csv.

N. Multiple Choice Response Distribution Data Grades 05-08

    1. One CSV file will be created containing the frequency of multiple responses (*) for multiple choice items.

    2. All students are included in the frequencies.

    3. The file will follow the layout NECAP YYYY Fall Multiple MC Responses Freq Layout.xls and will be named NECAP YYYY Fall Multiple MC Responses Freq.xls.

O. Block Blank Response Distribution Data Grades 03 & 04

Addenda

    1. 01/04/2008: Grade Level School/District/State Results – Cumulative Total

       - Suppress cumulative total data if at least one reported year has fewer than 10 tested students.

Analysis and Reporting Decision Rules
NECAP
Fall 07-08 Grade 11 Administration

This document details rules for analysis and reporting. The final student level data set used for analysis and reporting is described in the "Data Processing Specifications." This document is considered a draft until the NECAP State Department of Education (DOE) signs off. If there are rules that need to be added or modified after said sign-off, DOE sign off will be obtained for each rule. Details of these additions and modifications will be in the Addendum section.

VI.   General Information

A.   *Tests administered:*

Grade	Subject	Test items used for Scaling	IREF Reporting Categories (Subtopic and Subcategory IREF Source)
11	Reading	Common	Cat2
11	Math	Common	Cat1
11	Writing	Common	form

B.   *Reports Produced*:

    1.   Student Report

        b.   Testing School District

    2.   School Item Analysis Report by Grade and Subject

        c.   Testing School District

        d.   Teaching School District

    3.   Grade Level School/District/State Results

        c.   Testing School District

        d.   Teaching School District – District and School Levels only

C.   *Files Produced:*

    1.   State Student Cleanup Data

    2.   Preliminary State Results

    3.   State Student Released Item Data

    4.   State Student Raw Data

    5.   State Student Scored Data

    6.   District Student Data

    7.   Item Information

    8.   Grade Level Results Report Disaggregated and Historical Data

    9.   Grade Level Results Report Participation Category Data

    10.   Grade Level Results Report Subtopic Data

    11.   Released Item Percent Responses Data

    12.   Invalidated Students Original Score

    13.   Multiple Choice Response Distribution Data Grades 11

D. *School Type:*

SchType	Source: ICORE SubTypeID	Description
PUB	1,12,13	Public School
PRI	3	Private School
OOD	4	Out-of-District Private Providers
OUT	8	Out Placement
CHA	11	Charter School
INS	7	Institution
OTH	9	Other

School Type Impact on Data Analysis and Reporting				
Level	Testing		Teaching	
	Impact on Analysis	Impact on Reporting	Impact on Analysis	Impact on Reporting
Student	n/a	Report students based on testing discode and schcode. District data will be blank for students tested at PRI, OOD, OUT, INS, or OTH schools. Always print tested year state data.	n/a	n/a
School	Include all non-home school students using testing school code for aggregations	Generate a report for each school with at least one student enrolled using the tested school aggregate denominator. District data will be blank for PRI, OOD, OUT, INS, or OTH schools. Always print tested year state data.	Include all non-home school students using the teaching school code. Exclude students who do not have a teaching school code.	Generate a report for each school with at least one student enrolled using the teaching school aggregate denominator. District data will be blank for PRI, OOD, OUT, INS, or OTH schools. Always print tested year state data.
District	For OUT and OOD schools, aggregate using the sending district. If OUT or OOD student does not have a sending district, do not include in aggregations. Do not include students tested at PRI, INS, or OTH schools Do not include home school students.	Generate a report for each district with at least one student enrolled using the tested district aggregate denominator. Always report tested year state data.	Do not include students taught at PRI, OOD, OUT, INS, or OTH schools. Do not include students who do not have a teaching district code. Do not include home school students.	Generate a report for each district with at least one student enrolled using the teaching district aggregate denominator. Always report tested year state data.
State	Do not include students tested at PRI schools for NH and RI. Include all students for VT. Do not include home school students.	Always report testing year state data.	n/a	n/a

E.   *Requirements To Report Aggregate Data(Minimum N)*

Calculation Description	Rule
Number and Percent at each achievement level, mean score by disaggregated category and aggregate level	If the number of tested students included in the denominator is less than 10, then do not report.
Content Area Subcategories Average Points Earned based on common items only by aggregate level	If the number of tested students included in the denominator is less than 10, then do not report.
Aggregate data on Item Analysis report	No required minimum number of students
Number and Percent of students in a participation category by aggregate level	No required minimum number of students
Content Area Subtopic Percent of Total Possible Points and Standard Error Bar and Grade 11 Writing Distribution of Score Points Across Prompts	If any item was not administered to at least one tested student included in the denominator or the number of tested students included in the denominator is less than 10, then do not report

F.   *Special Forms:*

    1.   Form 00 is created for students whose matrix scores will be ignored for analysis. Such students include Braille or administration issues resolved by program management.

G.   *Other Information*

    1.   Home school students are excluded from all school, district, and state level aggregations. Home school students receive a parent letter based on the testing school. Print aggregate data based on the testing school. Print tested year state data. Home school students are not listed on the item analysis report.

    2.   Plan504 data not available for NH and VT; therefore 504 Plan section will be suppressed for NH and VT.

    3.   To calculate Title1 data for writing using Title1rea variable.

    4.   Title 1 data are not available for VT; therefore Title 1 section will be suppressed for VT.

    5.   Only students with a testing year school type of OUT or OOD are allowed to have a sending district code. Non-public sending district codes will be ignored.   For RI, senddiscode of 88 is ignored. For NH, senddiscode of 000 is ignored.

    6.   Several reports and data files are provided by testing and teaching school district levels. Testing level is defined to be the school and district where the student tested (discode and schcode). Teaching level is defined to be where the student was enrolled last year (sprdiscode and sprschcode). Every student will have testing district and school codes. Some students will have a teaching school code. Some students will have a teaching district code.

VII.   Student Participation / Exclusions

A.   *Test Attempt Rules by content area*

    1.   Grade 11 writing was attempted if the common writing prompt is not scored blank 'B'. For all other grades and content areas test attempt can be determined as follows. A content area was attempted if any multiple choice item or non-field test open response item has been answered. (Use original item responses – see special circumstances section II.F)

    2.   A multiple choice item has been answered by a student if the response is A, B, C, D, or * (*=multiple responses)

    3.   An open response item has been answered if it is not scored blank 'B'

B.   *Session Attempt Rules by content area*

　　1.   A session was attempted if any multiple choice item or non-field test open response item has been answered in the session. (Use original item responses – see special circumstances section II.F)

　　2.   Because of the test design for grade 11 writing, only determine if session 1 was attempted. Session 2 is ignored.

C.   *Not Tested Reasons by content area*

　　1.   Not Tested State Approved Alternate Assessment

　　　　b.   If content area "Alternate Assessment blank or partially blank reason" is marked, then student is identified as "Not Tested State Approved Alternate Assessment".

　　2.   Not Tested State Approved First Year LEP (reading and writing only)

　　　　a.   If content area "First Year LEP blank or partially blank reason" is marked, then student is identified as "Not Tested State Approved First Year LEP".

　　3.   Not Tested State Approved Special Consideration

　　　　a.   If content area "Special Consideration blank or partially blank reason" is marked, the student is identified as "Not Tested State Approved Special Consideration".

　　4.   Not Tested State Approved Withdrew After October 1

　　　　b.   If content area "Withdrew After October 1 blank or partially blank reason" is marked and at least one content area session was not attempted, then the student is identified as "Not Tested State Approved Withdrew After October 1". For grade 11 writing, only use session 1 attempt status.

　　5.   Not Tested State Approved Enrolled After October 1

　　　　-   If content area "Enrolled After October 1 blank or partially blank reason" is marked and at least one content area session was not attempted, then the student is identified as "Not Tested State Approved Enrolled After October 1". For grade 11 writing, only use session 1 attempt status.

　　6.   Not Tested Other

　　　　a.   If content area test was not attempted, the student is identified as "Not Tested Other".

D.   *Not Tested Reasons Hierarchy by content area: if more than one reason for not testing at a content area is identified then select the first category indicated in the order of the list below.*

　　7.   Not Tested State Approved Alternate Assessment

　　8.   Not Tested State Approved First Year LEP (reading and writing only)

　　9.   Not Tested State Approved Special Consideration

　　10.   Not Tested State Approved Withdrew After October 1

　　11.   Not Tested State Approved Enrolled After October 1

　　12.   Not Tested Other

E.   *Student Participation Status by content area*

　　1.   Tested

　　　　a.   If the student does not have any content area not tested reasons identified, then the student is considered Tested for the content area.

　　8.   Not Tested: State Approved Alternate Assessment

　　9.   Not Tested: State Approved First Year LEP (reading and writing only)

　　10.   Not Tested: State Approved Special Consideration

11. Not Tested: State Approved Withdrew After October 1

12. Not Tested: State Approved Enrolled After October 1

13. Not Tested: Other

F. *Special Circumstances by content area*

6. Students identified as content area tested and did not attempt all sessions in the test are considered to be "Tested Incomplete." Not applicable at grade 11 writing.

7. Students identified as content area tested and have at least one of the content area invalidation session flags marked will be treated as "Tested with Non-Standard Accommodations". Math accommodation F01 also identifies non-standard accommodations for Math.

8. For students identified as "Tested with Non-Standard Accommodations" the content area sessions item responses which are marked for invalidation will be treated as a non-response. For the students with math accommodations F01 marked, the non-calculator session 1 math items will be treated as a non-response.

9. Students identified as tested in a content area will receive released item scores, scaled score, scale score bounds, achievement level, raw total score, subcategory scores, and writing annotations (where applicable).

10. Students identified as not tested in a content area will not receive a scaled score, scaled score bounds, achievement level, writing annotations (where applicable). They will receive released item scores, raw total score, and subcategory scores.

G. *Student Participation Summary*

Participation Status	Description	Raw Score(*)	Scaled Score (**)	Ach. Level	Student Report Ach. Level Text	Roster Ach. Level Text
1	Tested	✓	✓	✓	Substantially Below Proficient, Partially Proficient, Proficient, or Proficient with Distinction	1,2,3, or 4
2	Not Tested State Approved Alternate Assessment	✓			Alternate Assessment	A
3	Not Tested State Approved First Year LEP	✓			First Year LEP	L
4	Not Tested State Approved Enrolled After October 1	✓			Enrolled After October 1	E
5	Not Tested State Approved Withdrew After October 1	✓			Withdrew After October 1	W
6	Not Tested State Approved Special Consideration	✓			Special Consideration	S
7	Not Tested Other	✓			Not Tested	N

(*) Raw scores are not printed on student report for students with a not tested status.

(**) Grade 11 writing students do not receive a scaled score. The writing achievement level is determined by the total common writing prompt score.

VIII. Calculations

    A. *Rounding*

        5. All percents are rounded to the nearest whole number

        6. All mean scaled scores are rounded to the nearest whole number

        7. Grade 11 writing mean (raw) score is rounded to the nearest tenth.

        8. Content Area Subcategories: Average Points Earned (student report): round to the nearest tenth.

        9. Round non-multiple choice average item scores to the nearest tenth.

    B. *Students included in calculations based on participation status*

        3. For number and percent of students enrolled, tested, and not tested categories include all students not excluded by other decision rules.

        4. For number and percent at each achievement level, average scaled score, subtopic percent of total possible points and standard error, subtopic distribution across writing prompts, subcategories average points earned, percent/correct average score for each released item include all tested students not excluded by other decision rules.

    C. *Raw scores*

        1. For all analysis, non-response for an item by a tested student is treated as a score of 0.

        2. Content Area Total Points: Sum the pointes earned by the student for the common items.

    D. *Item Scores*

        1. For all analysis, non-response for an item by a tested student is treated as a score of 0.

        2. For multiple choice released item data store a '+' for correct response, or A,B,C,D,* or blank

        3. For open response released items, store the student score. If the score is not numeric ('B'), then store it as blank.

        4. For students identified as content area tested with non-standard accommodations, then store the released item score as '-' for invalidated items.

        5. For common writing prompt score, the final score of record is the sum of scorer 1 and scorer 2. If both scorers give the student a B(F), then the final score is B(F).

        6. For matrix writing prompt score, the final score of record is scorer 1.

    E. *Scaling*

    Scaling is done using a look-up table provided by psychometrics and the student's raw score.

    F. *SubTopic Item Scores*

        4. Identify the Subtopic

           a. The excel file IREF_ReportingCategories.xls outlines the IREF variables and values for identifying the Content Strand, GLE code, Depth of Knowledge code, subtopics, and subcategories. The variable type in IREF is the source for the Item Type, except the writing prompt item type is reported as "ER".

        5. Student Content Area Subcategories (student report): Subtopic item scores at the student level is the sum of the points earned by the student for the common items in the subtopic. For grade 11 writing, the subtopic score is the final score of record for the common writing prompt.

        6. Content Area Subtopic (grade level results report): Subtopic scores are based on all unique common and matrix items. The itemnumber identifies each unique item.

           a. Percent of Total Possible Points:

                I. For each unique common and matrix item calculate the average student score as follows: (sum student item score/number of tested students administered the item).

II. 100 * (Sum the average score for items in the subtopic)/(Total Possible Points for the subtopic) rounded to the nearest whole number.

    b. Standard Error Bar: Before multiplying by 100 and rounding the Percent of Total Possible points (ppe) calculate standard error for school,district and state: 100* (square root (((ppe)*(1-ppe)/number of tested students))) rounded to the nearest whole number
Percent of Total Possible Points +/- Standard Error

G. *Grade 11 Writing: Distribution of Score Points Across Prompts.*

    1. Each prompt is assigned a subtopic based on information provided by program management.

    2. The set of items used to calculate the percent at each score point is defined as follows: scorer 1 common prompt score, scorer 2 common prompt score, scorer 1of each matrix prompt. (Note: scores of 'B' and 'F' are treated as a 0 score for tested students.)

    3. Using the set of items do the following to calculate the percent at each score point.

       - Step1 A: For each item, calculate the number of students at each score point. Adjust the common item counts by multiplying the common items' number of students at each score point by 0.5.

       - Step 1 B: Calculate the total number of scores by summing up the number of students at each score point across the items in the subtopic

       - Step 2: For each score point, sum up the (adjusted) number of students at the score point across the items in the subtopic. Divide the sum by total number of scores for the subtopic. Multiply that by 100 and round to the nearest whole number.

4. *Example*

	Common Prompt		Matrix Prompt 1	Matrix Prompt 2	Matrix Prompt 3	Matrix Prompt 4	Matrix Prompt 5
Item	**C1**	**C2**	**M1**	**M2**	**M3**	**M4**	**M5**
Subtopic	*1*	*1*	*1*	*2*	*2*	*2*	*3*
Student	**Student Item Score**						
A	3	4	2				
B	4	4					
C	2	1	3				
D	5	2		4			
E	3	2		1			
F	0	0			2		
G	1	2	1				
H	6	5	5				
I	2	2				1	
J	3	2				2	
K	5	4					4

Score Point	Step 1 Number at each score point						
Item	**C1**	**C2**	**M1**	**M2**	**M3**	**M4**	**M5**
Subtopic	*1*	*1*	*1*	*2*	*2*	*2*	*3*
0	0.5	0.5	0	0	0	0	0
1	0.5	0.5	1	1	0	1	0
2	1	2.5	1	0	1	1	0
3	1.5	0	1	0	0	0	0
4	0.5	1.5	0	1	0	0	1
5	1	0.5	1	0	0	0	0
6	0.5	0	0	0	0	0	0
Total	15			5			1

Score Point	Step 2 Percent at each score point		
Subtopic	**1**	**2**	**3**
0	7	0	0
1	13	40	0
2	30	40	0
3	17	0	0
4	13	20	100
5	17	0	0
6	3	0	0

Cumulative Total

5. Include the yearly results where the number tested is greater than or equal to 10

6. Cumulative total N (Enrolled, Not Tested Approved, Not Tested Other, Tested, at each achievement level) is the sum of the yearly results for each category where the number tested is greater than or equal to 10.

7. Cumulative percent for each achievement level is 100*(Number of students at the achievement level cumulative total / number of students tested cumulative total) rounded to the nearest whole number.

8. Cumulative mean scaled score is a weighted average. For years where the number tested is greater than or equal to 10, (sum of (yearly number tested * yearly mean scaled score)) / (sum of yearly number tested) rounded to the nearest whole number.

H. *Average Points Earned Students at Proficient Level (Range)*

    2. Select all students across the states with Y40 scaled score, where Y=grade. Average the content area subcategories across the students and round to the nearest tenth. Add and subtract one standard error of measurement to get the range.

I. Writing Annotations

    2. Students with a writing prompt score of 2-12 receive at least one, but up to five statements based on decision rules for annotations as outlined in Final Statements & Decision Rules for NECAP Writing Annotations.doc. Grade 11 students with the common writing prompt score of F or 0 will also receive annotations.

IX. Report Specific Rules

A. *Student Report*

    1. Student header Information

        a. If "FNAME" or "LNAME" is not missing then print "FNAME MI LNAME". Otherwise, print "No Name Provided".

        b. Print the student's tested grade

        c. For school and district name, print the abbreviated tested school and district ICORE name based on school type decision rules.

        d. Print "NH","RI", or "VT" for state.

    2. Test Results by content area

        c. For students identified as "Not Tested", print the not tested reason in the achievement level, leave scaled score and graphic display blank.

        d. For students identified as tested for the content area then do the following

            VI. Print the complete achievement level name the student earned

            VII. Print the scaled score the student earned

            VIII. Print a vertical black bar for the student scaled score with gray horizontal bounds in the graphic display

            IX. For students identified as "Tested with a non-standard accommodation" for a content area, print '**' after the content area earned achievement level and after student points earned for each subcategory.

            X. For students identified as "Tested Incomplete" for a content area, place a section symbol after content area earned scaled score.

    3. Grade 11 writing graphic display will not have standard error bars. Also, if a student's total points earned is 0 for writing, do not print the graphic display.

    4. Exclude students based on school type and participation status decision rules for aggregations.

    5. This Student's Achievement Compared to Other Students by content area

        c. For tested students, print a check mark in the appropriate achievement level in the content area student column. For not tested students leave blank

        d. For percent of students with achievement level by school, district and state print aggregate data based on school type and minimum N rules

    6. This Student's Performance in Content Area Subcategories by content area

        b. Always print total possible points and students at proficient average points earned range.

        c. For students identified as not tested then leave student scores blank

        d. For students identified as tested do the following

            I. Always print student subcategory scores

II. If the student is identified as tested with a non-standard accommodation for the content area then place '**' after the student points earned for each subcategory.

    e. Print aggregate data based on school type and minimum N-size rules.

    5. Writing Annotations

    a. For students with writing prompt score of 2-12 print at least one, but up to five annotation statements. Grade 11 students with the common writing prompt score of F or 0 will also receive annotations.

B. *School Item Analysis Report by Grade and Subject*

    13. Reports are created for testing school and teaching school independently.

    14. School Header Information

        d. Use abbreviated ICORE school and district name based on school type decision rules

        e. Print "New Hampshire", "Rhode Island", or "Vermont" for State.

        f. For NH, the code should print SAU code – district code – school code. For RI and VT, the code should print district code – school code.

    15. For multiple choice items, print '+' for correct response, or A,B,C,D,* or blank

    16. For open response items, print the student score. If the score is not numeric ('B'), then leave blank.

    17. For students identified as content area tested with non-standard accommodations, print '-' for invalidated items.

    18. All students receive subcategory points earned and total points earned, including grade 11 writing.

    19. Leave scaled score blank for not tested students and print the not tested reason in the achievement level column.

    20. Exclude students based on school type and participation status decision rules for aggregations.

    21. Always print aggregated data regardless of N-size based on school type decision rules.

    22. For students identified as not tested for the content area print a cross symbol next to students' name.

    23. For students identified as tested incomplete for the content area print a section symbol next to the scaled score.

    24. Home school student are not listed on the report.

C. Grade Level School/District/State Results

    9. Reports are run by testing state, testing district, testing school, teaching district, and teaching school using the aggregate school and district codes described in the school type table.

    10. Exclude students based on school type and participation status decision rules for aggregations.

    11. Report Header Information

        c. Use abbreviated school and district name from ICORE based on school type decision rules.

        d. Print "New Hampshire", "Rhode Island", or "Vermont" to reference the state. The state graphic is printed on the first page.

    12. Report Section: Participation in NECAP

        c. For testing level reports always print number and percent based on school type decision rules.

        d. For the teaching level reports leave the section blank.

13. Report Section: NECAP Results by content area

    c. For the testing level report always print based on minimum N-size and school type decision rules.

    d. For the teaching level report leave Enrolled, NT Approved, and NT Other blank. Print Tested, number and percent at each achievement level, mean scaled score based on minimum N-size and school type decision rules.

14. Report Section: Historical NECAP Results by content area

    c. For teaching level report always print current year, prior years, and cumulative total results based on minimum N-size and school type decision rules.

    d. For teaching level report leave Enrolled, NT Approved, and NT Other blank. Print Tested, number and percent at each achievement level, mean scaled score based on minimum N-size and school type decision rules.

15. Report Section: Subtopic Results by content area

    b. For testing and teaching level reports always print based on minimum N-size and school type decision rules

16. Report Section: Disaggregated Results by content area

    c. For testing level report always print based on minimum N-size and school type decision rules.

    d. For teaching level report leave Enrolled, NT Approved, and NT Other blank. Print Tested, number and percent at each achievement level, mean scaled score based on minimum N-size and school type decision rules.

D. *School/District/State Summary*

1. Reports are run by testing state, testing district, testing school, teaching district, and teaching school using the aggregate school and district codes described in the school type table.

2. Exclude students based on school type and participation status decision rules for aggregations.

3. For testing level report print entire aggregate group across grades tested and list grades tested results based on minimum N-size and school type decision rules. Mean scaled score across the grades is not calculated.

4. For the teaching level report leave Enrolled, NT Approved, and NT Other blank. Print Tested, number and percent at each achievement level, mean scaled score based on minimum N-size and school type decision rules. Mean scaled score across the grades is not calculated.

X. Data File Rules

In the file names GG refers to the two digit grade (11) , YYYY refers to the year 0708, DDDDD refers to the district code, and SS refers to two letter state code.

A. State Student Cleanup Data

4. One CSV file per grade and state will be created based on the file layout NECAPYYYYF Gr 03-08 11 Student Demographic Cleanup File Layout.xls.

5. Refer to NECAPYYYYF Gr 03-08 11 Student Demographic Cleanup Description.doc

6. Session Invalidation Flags are marked as follows.

    a. If reaaccF02 or reaaccF03 is marked, then mark reaInvSes1, reaInvSes2, and reaInvSes3

    b. If mataccF03 is marked, then mark matInvSes1, matInvSes2, and matInvSes03. MataccF01 is left as marked on booklet.

    c. If wriaccF03 is marked, then mark wriInvSes1 and wriInvSes2

B. Preliminary State Results

3. A PDF file will be created for each state containing preliminary state results for each grade and subject and will list historical state data for comparison.

4. The file name will be SSPreliminaryResultsDATE.pdf

C. State Student Released Item Data

    4. Students who tested at a private school are excluded from NH and RI student data files.

    5. A CSV file will be created for each state and grade following the layout NECAP YYYY Fall Gr 11 State Student Data Released Item Layout.xls

    6. The CSV file name will be NECAP YYYY Fall State Student Data Released Item Gr GG.csv.

D. State Student Raw Data

    1. Students who tested at a private school are excluded from NH and RI student data files.

    2. A CSV file will be created for each state and grade following the layout NECAP YYYY Fall Gr 11 State Student Raw Data File Layout.xls

    3. The CSV file name will be NECAP YYYY Fall State Student Raw Data File Gr GG.csv.

E. State Student Scored Data

    1. Students who tested at a private school are excluded from NH and RI student data files.

    2. A CSV file will be created for each state and grade following the layout NECAP YYYY Fall Gr 11 State Student Scored Data File Layout.xls

    3. The CSV file name will be NECAP YYYY Fall State Student Scored Data File Gr GG.csv.

F. District Student Data

    1. Students with the Discode or SendDiscode will be in the district grade specific CSV file for the testing year.

    2. Students with a sprDiscode will be in the district grade specific CSV file for the teaching year.

    3. Home school students are excluded from district student data files. For NH and RI only public school districts will receive district data files. (Districts with at least one school with schoolsubtypeID=1 in ICORE)

    4. Testing and teaching CSV files will be created for each state and grade and district following the layout NECAP YYYY Fall Gr 11 District Student Data Layout.xls

    5. The testing CSV file name will be NECAP YYYY Fall Testing District Slice Gr GG_DDDDD.csv. The teaching CSV file name will be NECAP YYYY Fall Teaching District Slice Gr GG_DDDDD.csv.

G. Item Information

    1. An excel file will be created containing item information for common items: grade, subject, raw data item name, item type, key, and point value.

    2. The file name will be NECAP YYYY Fall Gr 11 Item Information.xls

H. Grade Level Results Report Disaggregated and Historical Data

    1. Teaching and testing CSV files will be created for each state and grade containing the grade level results disaggregated and historical data following the layout NECAP YYYY Fall Gr 11 Results Report Disaggregated and Historical Data Layout.xls.

    2. Data will be suppressed based on minimum N-size and report type decision rules.

    3. The testing file name will be NECAP YYYY Fall Testing Results Report Disaggregated and Historical Data Gr GG.csv . The teaching file name will be NECAP YYYY Fall Teaching Results Report Disaggregated and Historical Data Gr GG.csv.

I. Grade Level Results Report Participation Category Data

    1. Teaching CSV file will be created for each state and grade containing the grade level results participation data following the layout NECAP YYYY Fall Gr 11 Results Report Participation Category Data Layout.xls.

    2. The testing file name will be NECAP YYYY Fall Testing Results Report Participation Category Data Gr GG.csv

J.   Grade Level Results Report Subtopic Data

    1.   Teaching and testing CSV files will be created for each state and grade containing the grade level results subtopic data following the layout NECAP YYYY Fall Gr 11 Results Report Subtopic Data Layout.xls.

    2.   Data will be suppressed based on minimum N-size and report type decision rules.

    3.   The testing file name will be NECAP YYYY Fall Testing Results Report Subtopic Data Gr GG.csv . The teaching file name will be NECAP YYYY Fall Teaching Results Report Subtopic Data Gr GG.csv.

K.   Released Item Percent Responses Data

    1.   The CSV files will only contain state level aggregation for released items.

    2.   Teaching and testing CSV files will be created for each state and grade containing the released item analysis report state data following the layout NECAP YYYY Fall Gr 11 Released Item Percent Responses Layout.xls.

    3.   The testing file name will be NECAP YYYY Fall Testing Released Item Percent Responses.csv . The teaching file name will be NECAP YYYY Fall Teaching Released Item Percent Responses.csv.

L.   Invalidated Students Original Score

    1.   Original raw scores for students whose responses were invalidated for reporting will be provided.

    2.   Students who tested at a private school are excluded from NH and RI student data files.

    3.   A CSV file will be created for each state and grade following the layout NECAP YYYY Fall Gr 11 State Invalidated Student Original Scored Data File Layout.xls.

    4.   The CSV file name will be NECAP YYYY Fall State Student Scored Data File Gr GG OriScInvStu.csv.

M.   Multiple Choice Response Distribution Data Grades 11

    1.   One CSV file will be created containing the frequency of multiple responses (*) for multiple choice items.

    2.   All students are included in the frequencies.

    3.   The file will follow the layout NECAP YYYY Fall Multiple MC Responses Freq Layout.xls and will be named NECAP YYYY Fall Multiple MC Responses Freq.xls.

Addenda

2/4/2008: The writing student's at proficient extended response range on the student report will be '7'.

2/6/2008: Summary results data files will be created as follows:

    1. Teaching and testing CSV files will be created for each state and grade containing the summary report data following the layout NECAP YYYY Fall Gr 11 Summary Results Layout.xls.

    2. Data will be suppressed based on minimum N-size and report type decision rules.

    3. The testing file name will be NECAP YYYY Fall Testing Summary Results Gr GG.csv . The teaching file name will be NECAP YYYY Fall Teaching Summary Results Gr GG.csv.